

magnetic pickup 33 to a series of nine gears 36 mounted on respective gear shafts 37 (numbered "1" to "9") in a gear mechanism, the drive shaft "8" carrying a capstan 39, which drives a toothed wheel 40, which in turn drives the least significant wheel 42 in an odometer 41, formed by a plurality of vertically arranged number wheels 42. The odometer 41 is preferably one of the type described in U.S. Pat. No. 5,376,776, issued December 27, 1994, and assigned to the assignee of the present invention.

Please amend the first and second full paragraphs on page 7 as follows:

(Amended) A mechanism as described in relation to Fig. 2B is mounted on a rotating shaft 43 to be rotated with magnetic pickup 33. An electrical output signal is taken from the coil 27 and transmitted to electrical circuitry (not shown) to provide electrical pulses commensurate with the mechanical output of the flow meter 35. This electrical output in Figs. 3-4 is said to be unscaled because it is provided before the gear mechanism translates the raw meter movements to the counts of the odometer 41.

(Amended) Figs. 5 and 6 show a scaled version of the invention. In the scaled version, a device as shown in Fig. 2B is coupled to the gear shaft 8, which directly drives the capstan 39. This is the high resolution or scaled version because the rotor 20 will be rotated by meter movements through the gear mechanism which drives the odometer 41. The operation of the flow meter 35, the magnetic driver 34 and the magnetic pickup is the same as described in relation to Fig. 4.

IN THE CLAIMS:

Please amend claim 1 as follows:

1. (Amended) A pulse transducer, comprising:  
a rotor having an axis of rotation and having a plurality of magnetically switchable elements spaced around its axis and rotatable and movable along a path of travel, each of said